Unit 2, Lesson 3

Interpret Equations

Let's use equations to show the relationship between division and fractions.

Warm-up

What Do You Know about $\frac{3}{2}$?

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Activity 1

Dehydrated Dancers

1. There are 3 dancers. They share 2 liters of water equally. How much water does each dancer get? Write a division equation to represent the situation.

2. Mai says each dancer gets $\frac{3}{2}$ liters of water because 3 divided into 2 equal groups is $\frac{3}{2}$. Do you agree with Mai? Explain or show your reasoning.

Activity 2

Interpret Expressions

1. Complete the table. Draw a diagram if it is helpful.

number of dancers	liters of water shared equally	division expression	amount of water each dancer gets in liters
4	2		
		$3 \div 4$	
		$3 \div 5$	
4			
	5		

2. What patterns do you notice in the table?